

# Material Safety Data Sheet(MSDS)

## PRETRETLEMENT

### Version 4.0

Prevision date: 03/25/2009 Date Updated: 08/03/2018

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Acute oral toxicity : Category 4

Acute vapours toxicity : Category 4

Skin corrosion/irritation : Category 1

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Specific target organ toxicity - Single exposure : Category 3(Respiratory tract irritation)

Chronic aquatic toxicity : Category 2

### 2.2 Labelling (Globally Harmonized System)



Signal word Danger

Hazard statements H302 : Harmful if swallowed.

H314 : Causes severe skin burns and eye damage.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H332 : Harmful if inhaled.

H335 : May cause respiratory irritation.

H411 : Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention P260 : Do not breathe dust/fume/gas/mist/vapours/spray. P261 :

Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 : Wash..(hands/face)thoroughly after handling.

P270 : Do not eat, drink or smoke when using this product.

P271 : Use only outdoors or in a well-ventilated area.

P272 : Contaminated work clothing should not be allowed out of the wokrplace.

P273 : Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response P310 : Immediately call a POISON CENTER or doctor/physician. P312 : Call a  
POISON CENTER or doctor/physician if you fee unwell.

P321 : Specific treatment(see...on this label).

P330 : Rinse mouth.

P363 : Wash contaminated clothing before reuse.

P391 : Collect spillage.

P301+P312 : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you  
feel unwell.

P301+P330+P331 : IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 : IF ON SKIN: Wash with plenty of water/...

P303+P361+P353 : IF ON SKIN (or hair): Take off immediately all contaminated  
clothing. Rinse skin with water/ shower.

P304+P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position  
comfortable for breathing.

P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several  
minutes.Remove contact lenses,if present and easy to do.Continue  
rinsing.

P333+P313 : if skin irritation or rash occurs: Get medical advice/attention.

P362+P364 : Take off contaminated clothing and wash it before reuse.

Storage P405 : Store locked up.

P403+P233 : Store in a well-ventilated place. Keep container tightly closed.

Disposal P501 : Dispose of contents/container to...(in accordance with  
local/regional/national/international refulation).

### 2.3 Other hazards

Health 0

Fire 0

Reactivity 0

### 3. Composition/information ingredients

Main components	CAS NO	Content(%)
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EtOH	64-17-5	>98.0
Poly ethyl silicate	11099-06-2	<1.5
Geraniol	106-24-1	<0.5
Citronellol	106-22-9	
Geranyl acetate	105-87-3	

#### 4. FIRST-AID MEASURES

4.1 General advice Get emergency medical attention.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

When in contact with substances, Rinse immediately the skin and eyes with running water for 20 minutes or more.

4.2 In case of eye contact Prevent the spread of contamination when minor parts in contact with skin.

Get emergency medical attention.

Wash contaminated clothes before using it again.

If the hot material, Soak or Rinse the affected area with a large amount of cold water to get rid of the heat.

When in contact with substances, Rinse immediately the skin and eyes with running water for 20 minutes or more.

Call a POISON CENTER or doctor/physician if you feel unwell.

Remove contaminated clothing and shoes and isolate contaminated areas.

IF ON SKIN(or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water shower.

If skin irritation or rash occurs: Get medical advice/attention.

4.3 In case of skin contact If it exposed to dust or fumes remove the excess with a clean air, and if you have a cough or other symptoms, please seek medical attention.

Settle down and warm.

If inhaled or eaten substances: Use appropriate respiratory medical equipment instead of mouth to mouth resuscitation.

Move to fresh air.

Immediately call a POISON CENTER or doctor/physician.

If breathing is difficult, give oxygen.

If you are not breathing, give artificial respiration.

4.4 If inhaled Get emergency medical attention.

If inhaled or eaten substances: Use appropriate respiratory medical equipment instead of mouth to mouth resuscitation.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Rinse mouth.

4.5 If swallowed Medical personnel, and to ensure that take protection measures is recognized for its substance.

## **5. Firefighting measures**

5.1 Extinguishing media When extinguishing material related this, use alcohol foam, CO<sub>2</sub> or water spray

When extinguishment by smothering, use dry sand or dust.

5.2 Special hazards arising from the substance of mixture

Containers may explode when heated.

Some can be burned but not igniting easily.

During burning, stimulated poisonous gas can be made by thermal decomposition or combustion.

It can cause a fire, irritating and toxic gases.

It can start a fire irritating, corrosive and toxic gases.

5.3 Advice for firefighters Please extinguish by keeping a safe distance outside the area.

Please be aware that some shipping in high temperature.

The ditch can be made for the disposal of extinguishing and should not be confined material is scattered.

If safe to do so, remove container from the path of fire.

After extinguishing the fire, the tank should be evolved with large amount of water to cool the containers.

Should step down immediately when safety valve make a boom sound or discoloration on the tank fire.

Please step back from wrapped in flames tank Rescuer should wear appropriate protective equipment

The maximum distance from the tank or fire extinguishing please use an unattended fire extinguishing equipment.

For large fire use extinguishing equipment unattended.

If it can not back out. Please be aware that transportation is melted.

## **6. Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures Avoid inhalation

of (Dust, fumes, gas, vapor, mist, spray)

Do not touch spillage or walk Remove all sources of ignition.

Prevent dust formation.

Wipe spills immediately, Please follow the precautions Reserve  
protest. Follow Stop leak if without risk.

Do not touch damaged containers or spillage without wearing  
proper protection.

Stop the spread covered with a plastic sheet. Please note that  
materials and conditions to avoid.

6.2 Environmental precautions Prevent entry into waterways, sewers, basements and confined  
spaces. Avoid release to the environment

6.3 Methods and materials for containment and cleaning up

Please prevent scatter wetted with water after remove dust properties of air.

Collect spillage.

Make a ditch away liquid spillage when large leaks.

Please prevent the spread covered a plastic sheet and Keep dry  
when powder leaks.

Absorb spilled by inert material and Put a chemical waste container.

Please absorbed by non-combustible material and Place in  
containers when small leaks.

Please absorb liquids and Rinse the contaminated area with  
detergent and water.

Put spillage in a clean and dry container with a clean shovel, closed  
loosely, move containers from spill area.

## **7. Handling and storage**

7.1 Precautions for safe handling

Avoid inhalation of (Dust, fumes, gas, vapor, mist, spray)

Please note that materials and conditions to avoid. Do not breathe vapors from the heated  
material.

Please carefully open the cap before opening. Please note that a high temperature. Please work  
with engineering controls and personal protective equipment. Use only outdoors  
or in a well-ventilated area.

Since it may retain product residues that even after the container is emptied, Follow all MSDS / label precautions.

When using this product, Do not eat, drink or smoke.

Contaminated work clothing should not be allowed out of the wokrplace. Please stop the long term or continuous skin contact.

Without proper ventilation. Do not enter the storage area. Wash after handling the treated area thoroughly.

Please use care in handling / storage. Please use only in a well ventilated area.

#### 7.2 Conditions for safe storage, including any incompatibilities

Empty drums are completely drained, Return to the drum regulator adequately protect immediately or Place properly.

Store in a well-ventilated place. Keep container tightly closed. Keep away from food and beverages.

Store in a storage location in lock.

### **8. Exposure controls/personal protection**

#### 8.1 Exposure controls

Internal regulations No data available

ACGIH regulations No data available

Biological exposure standards No data available

#### 8.2 Proper engineering management No data available

#### 8.3 Personal protective equipment

Respiratory protection No data available

Eye protection Please use chemical defense glasses and face protection. Hand protection Wear appropriate chemical resistant gloves.

Skin and body protection Wear the appropriate chemical resistant clothing.

### **9. Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Form Liquid

Color Pale yellow to Yellow

Odor No data available

Odor Threshold No data available

pH No data available

Melting point No data available

Boiling point No data available

Flash point 88°C

Evaporation rate No data available

Flammability (solid, gas) No data available  
Explosion limit (lower / upper) No data available  
Vapor pressure No data available  
Solubility Soluble in alcohol.  
Relative vapour density No data available  
Specific gravity (20/20°C) (Water=1)  $0.887 \pm 0.01$   
Partition coefficient :  
    n-octanol/water No data available  
    Autoignition temperature No data available  
    Decomposition temperature No data available  
    Viscosity No data available  
    Molecular weight No data available

#### 9.2 Other information

Refractive index (20°C)  $1.452 \pm 0.005$

### 10. Stability and reactivity

#### 10.1 Chemical stability / Possibility of

hazardous reactions Containers may explode when heated. Some can be burned but not igniting easily.

It can cause a fire, irritating and toxic gases.

Can cause burns to skin and eyes on contact.

Inhalation of substances that may be harmful.

That inhalation of asbestos may cause damage to the lungs.

Some liquid may cause steam to cause dizziness, suffocation.

10.2 Conditions to avoid Heat, sparks, flames, such as ignition sources. 10.3

Incompatible materials Combustible material, reducing material. 10.4 Hazardous decomposition products

During burning, stimulated poisonous gas can be made by thermal decomposition or combustion.  
Irritating, toxic gases. Corrosive / toxic fumes.

### 11. Toxicological information

#### 11.1 Information on the likely routes of exposure

No data is available on the product itself.

#### 11.2 Information on toxicological effects

Acute toxicity

Acute oral toxicity

ISOPROPYL MYRISTATE LD50 : > 2,000 mg/kg Species: rat

4-TERT-BUTYLCYCLOHEXYL ACETATE LD50 : 3.6 L/kg Species: rat

Acute dermal toxicity

4-TERT-BUTYLCYCLOHEXYL ACETATE LD50 : > 5 L/kg Species: rabbit

Acute inhalation toxicity

ISOPROPYL MYRISTATE LC50 : > 5.3 mg/L Species: rat

<b>Skin corrosion/irritation</b>	It causes skin irritation.
<b>Serious eye damage/eye irritation</b>	It causes eye irritation.
<b>Respiratory sensitization</b>	No data is available on the product itself
<b>Skin sensitization</b>	No data is available on the product itself.
<b>Carcinogenicity Germ cell mutagenicity</b>	No data is available on the product itself.
<b>Reproductive toxicity</b>	No data is available on the product itself.

**Target Organ Systemic Toxicant – Single exposure**

No data is available on the product itself.

**Target Organ Systemic Toxicant -Repeated exposure**

No data is available on the product itself.

**Aspiration hazard**

No data is available on the product itself.

**12. Ecological informaion**

No data available

**13. Disposal considerations**

13.1 Waste treatment methods

Product The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

**14. Transport information**

14.1 UN number 3082

14.2 Proper shipping name Environmentally hazardous substance, liquid, N.O.S. 14.3

Transport hazard class 9

14.4 Packing group III

14.5 Marine pollutant Yes



14.6 Special precautions  
EmS Fire F-A EmS Spillage S-F **15.**

**Regulatory information** No data  
available.

**16. Other information**

No data available